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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/572,518	03/15/2007	Olaf Pichler	4015-5818	4849
24112 COATS & BEI	7590 08/02/201 NNETT PLLC	EXAMINER		
1400 Crescent Green, Suite 300			CURS, NATHAN M	
Cary, NC 27518			ART UNIT	PAPER NUMBER
			2613	
			MAIL DATE	DELIVERY MODE
			08/02/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/572,518	PICHLER ET AL.	
Examiner	Art Unit	
NATHAN CURS	2613	

	NATHAN CORS	2013				
The MAILING DATE of this communication appear	ars on the cover sheet with the	correspondence address				
THE REPLY FILED <u>22 July 2011</u> FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.						
<ol> <li>The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appe for Continued Examination (RGE) in compliance with 37 C periods:</li> </ol>	eplies: (1) an amendment, affidav al (with appeal fee) in compliance	it, or other evidence, which places the with 37 CFR 41.31; or (3) a Request				
a) The period for reply expiresmonths from the mailing date of the final rejection.						
b) A The period for reply expires on: (1) the mailing date of this As no event, however, will the statutory period for reply expire la Examiner Note: If box 1 is checked, check either box (a) or (t MONTHS OF THE FINAL REJECTION. See MPEP 706.07ff	ter than SIX MONTHS from the mailir b). ONLY CHECK BOX (b) WHEN TH	g date of the final rejection.				
Extensions of time may be obtained under 37 CFR 1,136(a). The date to have been filled is the date for purposes of determining the period of under 37 CFR 1,17(a) is calculated from: (1) the expiration date of the else forth in (b) above, if checked. Any reply received by the Office term any reduce any earmed patient term adjustment. See 37 CFR 1,704(b). NOTICE OF APPEAL	on which the petition under 37 CFR 1. ension and the corresponding amount nortened statutory period for reply orig	of the fee. The appropriate extension fee inally set in the final Office action; or (2) as				
2. The Notice of Appeal was filed on A brief in compliance with 37 CFR 4.137 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), to a void dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).						
AMENDMENTS  AMENDMENTS  AMENDMENTS  AMENDMENTS  AMENDMENTS  AMENDMENTS  BY Talse new issues that would require further consideration and/or search (see NOTE below);						
(b)  They raise the issue of new matter (see NOTE below); (c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or						
(d) ☐ They present additional claims without canceling a c NOTE: (See 37 CFR 1.116 and 41.33(a)).	orresponding number of finally re	ected claims.				
4. The amendments are not in compliance with 37 CFR 1.12	1. See attached Notice of Non-Co	ompliant Amendment (PTOL-324).				
5. Applicant's reply has overcome the following rejection(s):						
<ol> <li>Newly proposed or amended claim(s) would be all non-allowable claim(s).</li> </ol>	owable if submitted in a separate,	timely filed amendment canceling the				
7.  For purposes of appeal, the proposed amendment(s): a)  will not be entered, or b)  will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows: Claim(s) allowed:  Claim(s) allowed:  Claim(s) objected to: 19.  Claim(s) objected: 12-18 and 20-24.						
Claim(s) withdrawn from consideration:						
AFFIDAVIT OR OTHER EVIDENCE						
<ol> <li>The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).</li> </ol>						
9. The affidavit or other evidence flied after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome <u>all</u> rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).						
10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.  REQUEST FOR RECONSIDERATION/OTHER						
11. \(\overline{\text{Z}}\) The request for reconsideration has been considered but does NOT place the application in condition for allowance because: \(\sigma_{\text{ee}} \) Continuation Sheet.						
12. ☐ Note the attached Information <i>Disclosure Statement</i> (s). (PTO/SB/08) Paper No(s) 13. ☐ Other:						
	/NATHAN M CURS/ Primary Examiner, Art l	Jnit 2613				

Continuation of 11, does NOT place the application in condition for allowance because: Applicant argues that the U-bara 2x2 swhichs a rare not the same as the claimed branching mechanism. This argument is not persuasive. The switches 17 are selectively branching a signal between one path or the other, and thus read on a selective pranching mechanism. As for how the claimed branching mechanisms are connected to other elements; those further limitations are addressed by the obviousness rationales.

Applicant argues against the obviousness of the input-side set of switches for Uehara, stating that the rationale is conclusory and has no basis in Uehara. This argument is not persuasive. The rationale is not constudency; it is based on what would not be been obvious to one of ordinary skill in the art considering Uehara's drop channels and the inherent insertion loss of the optical any with element 16. Applicant does not address the rationale as is. Nevertheless, one of ordinary skill in the art would have recognized that any wavelength channels to be dropped at the Uehara fig. 4 node that don't require regeneration (see col. 8 lines 1-11) would still be forced to undergo inherent insertion loss in the element 16 switch since they would still have to pass through it. Given this scenario, and Ueharris estiting channels switches 17, no express teaching or suggestion from Uehara is required for the obviousness of the input-side set of switches. Applicant is directed when combined) ""need not teach or suggest all the claim limitations", however, Office personnel must explain why the difference(s) between the prior at rad the claimed invention would have been obvious to one of ordinary skill in the art. Tenderals (In the rejections above under 35 USC § 103, where the limitations are not explicitly taught in the references artionale is provided for why the difference(s) between the prior at and the claimed invention would have been obvious to one of ordinary skill in the art. Nevertheless, Applicant still concludes that there is "no reason" to add the second set of switches; this conclusion dismisses the insertion loss based rationale that is in fact provided or.

Applicant also argues that the switches 17 of Uehara are for monitor wavelengths. Applicant is misreading Uehara. The switches 17 are for the main channel wavelengths lambda.1 to lambda.n. The monitor wavelength, on the other hand, gets its own wavelength lambda.sv and is routed differently.

Applicant also argues that it would be "non-sensical" to incur the cost and complexity of the second set of switches to regenerate a monitor-signal when that function is already being performed allong the output channels of the same node. "It argument is not persuasive. First, the optical switch 16 and channel switches 17 are not for the monitor signal. Second, only the channels that need regeneration get regenerated (o.d. 8 lines 1-11), yet all drop channels must still pass through optical switch 16 and thus experience inherent insertion loss. Third, since Applicant does not address the insertion loss issue, the argument about addition cost and complexity is unpersuasive because it innoves the benefit gained by reducing insertion loss affecting drop channels.

Applicant also argues that a direct connection for the receiver is not taught or suggested by Uehara and argues that the Office Action dismisses the didensies the didensies the didensies the didensies the diverse by teach or a contrary. Uehara need not expressly teach or received in the to be obvious, and the Office Action does not dismiss the direct connection issue, but addresses it in the obviousness rationale. Applicant and any superstant the Office Action is conclusory with no support by Uehara. This argument is not persuasive one the rejection is not conclusory, it is based on what would have been only a conclusor to conclusory, it is based on what would have been only a conclusion one or ordinary skill the art in light of the drop channels shown by Uehara and minimization of insertion loss. as exclaimed in the ratious the conclusions of the ordinary skill the art in light of the drop channels shown by Uehara and minimization of insertion loss.

Applicant also states that Uehara is "conspicously silent" about a receiver for the drop channel. To the contrary, Uehara starts by discussing conventional WDM systems in the Background section, where Uehara mentions "wavelength components to be received by the respective nodes" (col. 1 lines 29-30). Given each Uehara WDM system "wavelength component" being dropped at the node (col. 8 lines 16-19) it would be non-sensical to conclude that the drop lines are just floating with no receiver. Thus, Uehara is not conspicously silent, but is merely unconcerned with showing each and every detail of what one of ordinary skill in the art would immediately recognize is necessary for the drop line to having any substance or meaning in Uehara's transmission system. So the issue is only whether direct connection of the receiver would be obvious or not. The rationale for the obviousness of direct connection is not based on Uehara expressly teaching direct connection, nor needed it be (see above). Where the limitations are not explicitly tunit in the references, a rationale is provided for why the difference(s) between the prior art and the claimed invention would have been obvious to one of ordinary skill in the art. Apolicant does not address the rationale itself.

And regarding direct connection for the transmitters, Applicant states that whether or not there are transmitters connected to the switches is rirelevent. To the contrary, there are transmitters connected and this fact is relevant. Each "wavelength component" being expressly added (col. 8 lines 16-19), by its existence, means there is some kind of transmitter sourcing it. The question is then only about the obviousness of direct connection of such transmitters. For this point, Applicant again alleges that the Office dismisses the deficiency of Uehara in expressly teaching direct connection. To the contrary, the Office Action acknowledge that Uehara does not expressly teach "direct connection." However, the Office Action provides a rationale for the obviousness of direct connection, based on minimizing insertion loss. Applicant dismisses the obviousness conclusion without addressing the rationale on its merits.